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## ELECTROPRIME TBD0601603101A

# ELECTROPRIME 8V Rechargeable Wireless Grinder Kit User Manual

Model: TBD0601603101A

## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your ELECTROPRIME 8V LED Digital Display Rechargeable Wireless Grinder Kit. Please read this manual thoroughly before using the product and retain it for future reference.

The ELECTROPRIME wireless grinder is a versatile tool featuring a six-speed transmission, an integrated heat dissipation system, and an automatic lock shaft design for convenient accessory changes. It is powered by an 8V permanent magnet motor and a 1000mAh lithium battery, offering portability and precision for various tasks.

## 2. IMPORTANT SAFETY INSTRUCTIONS

**WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.**

- Always wear appropriate personal protective equipment, including safety glasses, gloves, and a dust mask, when operating the grinder.
- Ensure the workpiece is securely clamped before beginning any operation.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Use the correct accessory for the application. Do not force the tool.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.

- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.
- Use the power tool, accessories, and tool bits in accordance with these instructions, taking into account the working conditions and the work to be performed.

### 3. PACKAGE CONTENTS

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Upon unpacking, please verify that all items listed below are present and undamaged:

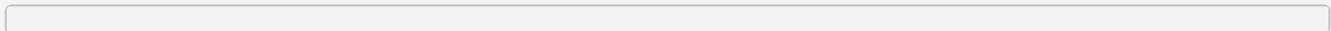
- 1 x ELECTROPRIME 8V Rechargeable Wireless Grinder
- 1 x Charging Cable
- 52 x Assorted Accessories (e.g., grinding bits, polishing pads, cutting discs)
- 1 x User Manual (this document)

If any items are missing or damaged, please contact ELECTROPRIME customer support immediately.

### 4. PRODUCT OVERVIEW

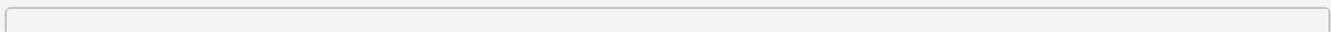
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Familiarize yourself with the components of your wireless grinder:



**Figure 1:** Product Dimensions. The grinder measures approximately 194mm (7.64 inches) in length and 36mm (1.42 inches) in width, indicating its compact and ergonomic design.

- **LED Digital Display:** Shows current speed setting and battery status.
- **Speed Control Button:** Adjusts between 6 speed settings.
- **Power Button:** Turns the grinder on and off.
- **Ventilation Grille:** Part of the integrated heat dissipation system.
- **Chuck:** Holds various accessories. Features an automatic lock shaft for easy changes.



**Figure 2:** Automatic Lock Shaft Design. This feature simplifies the process of changing grinding accessories, ensuring a secure fit with the 304 spindle, alloy sandwich, and alloy nut.

### 5. SETUP

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#### 5.1. Initial Charging

Before first use, fully charge the grinder's built-in 1000mAh lithium battery. Connect the charging cable to the grinder's charging port and plug the other end into a suitable power source. The LED digital display will indicate the charging status. Charging typically takes approximately 40 minutes for a full charge, providing up to 40 minutes of working time depending on the load.

#### 5.2. Attaching Accessories

1. Ensure the grinder is turned off.
2. Press and hold the automatic lock shaft button (if present, otherwise twist the chuck to engage lock).

3. Loosen the chuck nut by rotating it counter-clockwise.
4. Insert the desired accessory (with a shank diameter of 2.3mm or 3.3mm) into the chuck.
5. Tighten the chuck nut securely by rotating it clockwise. Release the lock shaft button.
6. Gently pull on the accessory to ensure it is firmly seated before operation.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Powering On/Off

To turn the grinder on, press the Power Button. The LED digital display will illuminate, showing the current speed setting and battery level. To turn off, press the Power Button again.

### 6.2. Adjusting Speed

The grinder features a six-speed transmission, allowing for precise control over various applications. Press the Speed Control Button to cycle through the available speed settings, ranging from 5000 to 30000 revolutions per minute (r/min). The selected speed will be displayed on the LED screen.

- **Lower Speeds (1-2):** Ideal for polishing, delicate work, or when less material removal is desired.
- **Medium Speeds (3-4):** Suitable for general grinding, sanding, and carving tasks.
- **Higher Speeds (5-6):** Best for heavy-duty grinding, cutting, and rapid material removal.

### 6.3. Working with the Grinder

Always start with a lower speed setting and gradually increase it as needed for the task. Apply light, consistent pressure. Allow the tool to do the work. The integrated fan blade heat dissipation system helps maintain optimal operating temperature during extended use.

## 7. MAINTENANCE

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### 7.1. Cleaning

After each use, ensure the grinder is turned off and disconnected from any charging source. Use a soft, dry cloth to wipe down the exterior of the tool. Use a small brush or compressed air to clear dust and debris from the ventilation grilles and chuck area. Do not use harsh chemicals or abrasive cleaners.

### 7.2. Storage

Store the grinder and its accessories in a clean, dry place, away from direct sunlight, moisture, and extreme temperatures. Keep it out of reach of children. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

### 7.3. Battery Care

To maximize battery life, avoid fully discharging the battery frequently. Recharge the battery when the LED display indicates low power. Do not expose the battery to fire or high temperatures.

## 8. TROUBLESHOOTING

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If you encounter issues with your ELECTROPRIME wireless grinder, refer to the following common problems and solutions:

<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
Grinder does not turn on.	Battery is discharged.	Charge the battery fully.
Grinder stops during operation.	Battery is low or tool is overloaded.	Recharge the battery. Reduce pressure on the tool or use a lower speed setting.
Accessory is loose or falls out.	Chuck nut not tightened sufficiently. Incorrect accessory shank size.	Ensure the chuck nut is securely tightened. Verify the accessory shank diameter is 2.3mm or 3.3mm.
Excessive vibration or noise.	Accessory is bent, damaged, or improperly installed.	Inspect the accessory for damage. Reinstall the accessory correctly. Replace damaged accessories.
Grinder overheats.	Prolonged heavy use or blocked ventilation.	Allow the tool to cool down. Ensure ventilation grilles are clear of debris. Reduce load.

If the problem persists after attempting these solutions, please contact ELECTROPRIME customer support.

## 9. SPECIFICATIONS

<b>Model Number</b>	TBD0601603101A
<b>Electric Grinding Voltage</b>	8V
<b>Motor Type</b>	Permanent Magnet Motor
<b>Speed Adjustment Gear</b>	6 Speeds
<b>No-load Speed</b>	5000 - 30000 r/min
<b>Chuck Specification</b>	2.3mm / 3.3mm
<b>Built-in Battery</b>	1000mAh Lithium Battery
<b>Working Time (approx.)</b>	40 minutes
<b>Product Dimensions (L x W)</b>	19.4 cm x 3.6 cm (7.64 inches x 1.42 inches)
<b>Product Net Weight</b>	225 grams (0.5 lbs)
<b>Package Weight</b>	0.71 kg (1.56 lbs)
<b>Package Size (L x W x H)</b>	18 cm x 12 cm x 4 cm (7.09 inches x 4.72 inches x 1.57 inches)

## 10. WARRANTY AND SUPPORT

ELECTROPRIME products are manufactured to high-quality standards. For warranty information, please refer to the

warranty card included with your purchase or visit the official ELECTROPRIME website. Keep your purchase receipt as proof of purchase.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact ELECTROPRIME customer service through the contact information provided on your product packaging or the official website.

When contacting support, please have your product model number (TBD0601603101A) and purchase date readily available.

